

# Eastern Arizona Amateur Radio Society

EST. 1974

[www.eaars.com](http://www.eaars.com)

INC.



[facebook.com/groups/eaars](https://facebook.com/groups/eaars)

Club Address: EAARS, PO Box 398, Solomon, AZ 85551



*April, 2019*

## JOIN EAARS on Facebook

EAARS has a presence on Facebook and you are invited to **JOIN** the page. This is a great media to quickly share news, photos and events that are EAARS related or might be interesting to the members. If you utilize "Notifications" on the EAARS Facebook page, you can receive club updates AS THEY HAPPEN.

To reach the page, please visit **facebook.com/groups/eaars** and **JOIN** the page. You must have a Facebook account to be part of the EAARS group.



## EAARS Open Repeaters

**PL 141.3** unless noted otherwise

**Echolink:** 614350 **IRLP:** 7787

**Heliograph Peak at Safford, AZ:**

146.860, 440.700 Linked

146.900, 447.8250 Not Linked

**Jacks Peak at Silver City, NM:**

145.210 Linked

**West Peak at Ft Thomas, AZ:**

145.350 Access to link to network

**Pinal Peak at Globe, AZ:**

145.410 Linked

**South Mt at Alpine, AZ:**

145.270 Linked

**Caballo Mt at TorC, NM:**

145.470 Linked

**Greens Peak at Show Low, AZ**

146.700 Linked

**Little Florida at Deming, NM:**

147.060 Linked

**Mule Mt at Bisbee, AZ:**

147.080 Linked

**Mt Lemmon at Tucson, AZ**

147.160 Linked

**Guthrie Peak at Clifton, AZ:**

147.280 Linked

# Gals on the Air!

**EST. June 2015**

Calling all Gals of any class ... Join us every Monday night for the  
**Gals Night Net @ 7:30 pm (AZ) on the EAARS system!**

## Upcoming Events

*Would You like to see your event posted for the membership to see?  
Email your information to [emberfire@cox.net](mailto:emberfire@cox.net).*

### 2019 Events

Apr 27 ..... Tucson Ham Picnic - Angie 7NEMB, Chris N7JND, Don KD7UIZ  
May 4 ..... March for Babies — Angie N7EMB  
June 22-23.... Field Day  
Oct 20..... Making Strides Against Breast Cancer --- Angie N7EMB  
Nov 9..... Alzheimer's Walk — Angie N7EMB

Did you know that you can see the Public Service Opportunities on [soazhamservice.net](http://soazhamservice.net)? The events are posted by dates and who leads them. If you are interested in participating or have any questions, please feel free to contact them.

### WEEKLY EAARS' NETS

**Every day:**

Down Under Net - 4:15 am

Weather Net - 5:30 am

NTS Traffic Net - 6:30 pm

**Sunday:**

EAARS Net - 7:00 pm

**Monday:**

Gals Night Net - 7:30 pm

**Wednesday:**

Skywarn Net - During Monsoon, Every Wednesday at 7:30 pm,  
Off Season, every third Wednesday of month at 7:30 pm

**Saturday:**

ERC (Emergency Response Communications) Net -8:45 am ,  
2nd Saturday of the month (20-25 min duration)



# EAARS Officers and Staff

## Board Officers

President	Dave Wells	N7AM
Vice President	Dan Quaintance	AF7EF
Secretary/Treasurer	Larry Griggs	N5BG

## Staff

Site Trustee	Joe Montierth	K7JEM
Net Manager	Chris Buchanan	N7JND
Newsletter Editor	Angie Buchanan	N7EMB

## Net Control Operators

Rick W8YBM	1st Sunday
Angie N7EMB	2nd Sunday
Mike W7IJ	3rd Sunday
Chris N7JND	4th Sunday

## Equestrian Endurance Ride

American Endurance Ride Conference hosted an equestrian endurance ride over the weekend of March 15th - 17th in the hills birth of Sonoita AZ. Amateur radio communications for the event were requested and provided by a team of us led by Mike W7IJ. Myself and my wife Lyn KJ7DSE were included in that team.

Hams worked check points, water stations and veterinary aids stations. Our net control "shack" was provided by Pima County in the way of their Emergency Communications trailer which worked flawlessly.

This was a fun event and our radio communications was appreciated by both riders and event management alike.

The only mishap I was aware of over the weekend was a very stuck in the mud W7IJ pickup truck, but again, hams were there to provide a rescue tow.

Kristyn KR1SS



# New EAARS Members!

☆  
welcome

**totally**  
**awesome**

KD6RFJ	Mike
WB0ABM	Noel
KC7ZGJ	Gene

## **FCC Seeks Electronics Engineer for Dallas, Texas, Area**

ARRL - 03/20/2019

The FCC Enforcement Bureau has an opening for an electronics engineer (field agent) for the Dallas, Texas, area, that may be of interest to radio amateurs. This is a permanent, full-time job at the GS 11 - 13 level.

The incumbent field agent "resolves interference, educates users and enforces regulations. An in-depth knowledge of electronic engineering is required. A full range of skills relating to inspections and monitoring is necessary," the announcement said.

This individual "performs comprehensive investigations of unauthorized or unlawful radio operation and comprehensive inspections of all classes and types of installations employing RF energy," among other activities, and should have operational knowledge of technical equipment involved, such as spectrum analyzers and field strength meters. Some travel is required. The deadline to apply is April 19.



# Tucson Ham - Spring Edition

PICNIC



Saturday, April 27, 2019  
Christopher Columbus Park, #2  
Lunch - Noon  
Group Picture - 1:00 pm

This is a non-club affiliated event which happens twice a year, April and October. Our April Spring picnic will be on Saturday, April 27, 2019 @ Christopher Columbus Park, Ramada #2. People start gathering around 10:30-11:00, with lunch starting at noon. Group picture at 1:00 pm! All clubs are welcomed!

This is a **POT LUCK** event, Everyone brings a dish to share with All! Please view the Tucson Ham Picnic Facebook Page to view what is being brought. We do this to prevent 20 bags of chips! Please consider the heat/weather in your choice of food to share! There will not be coolers to keep it consistently cold.



Please bring your own cups, drinks, ice, coolers and/or chairs. Tables are limited as we need two to spread out the feast! Also, feel free to bring some operating equipment! It's a nice time to just sit, relax and play radio!

Hope to see many of you there!

Tucson Ham Picnic Committee  
Chriis N7JND  
Angie N7EMB  
Don KD7UIZ



## **Ohio ARES Provides "Situational Awareness" During January Blizzard**

ARRL - 03/21/2019

Ohio ARES members stared down "Snowmageddon" 2019, the mid-January blizzard that blanketed the lower Great Lakes region. Based on ominous forecasts and discussion with Assistant SECs across the state, Section Manager Scott Yonally, N8SY, and the Ohio Watch Office, SEC Stan Broadway, N8BHL, asked ARES operators to provide observations and reports to assist decision makers at the Ohio Emergency Operations Center and county emergency management agency centers.

"We could do this safely from our homes, and integrate our reports (remotely) into the state's WebEOC management system, which could be read by the Ohio Watch Office and any other emergency official around the state," Broadway said. "We had never tried this, and it seemed like a great way to promote the Amateur Service's ability to provide situational awareness on a wide scale." Broadway said conditions generated by the storm "could have resulted in an emergency" and warranted a statewide ARES response.

A statewide net was convened on Saturday, January 9, as conditions deteriorated. Amateurs quickly began checking in and reporting their local conditions with specific details. The reports were compiled by Ohio's AuxComm Team station W8SGT, which was operated from Broadway's residence on 80 meters, and the VHF/UHF Digital Mobile Radio (DMR) network (the Ohio Talk group), simultaneously.

By nightfall, storm conditions had stabilized, and reporting slowed to the point that the statewide net could be closed. Many county-level nets were also in operation.

The Ohio "Snow Net" received 131 reports from 44 of Ohio's 88 counties, split evenly between HF and DMR. The short-notice net was entered into the ARES Connect system and more than 50 amateurs signed up for the net event. Several other local snow nets entered for county events also. The statewide reports were logged and submitted every few hours to the state Homeland Security/Emergency Management Agency Watch Desk through WebEOC.

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## **Ohio ARES Provides "Situational Awareness" During January Blizzard**

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Broadway said emergency managers around the state were impressed that Amateur Radio could furnish reports with such detailed information. He said HF capability to reach across the state was a proven asset, with effective communication in all directions. The DMR system functioned much like Ohio's public safety radio system, connecting nearly 80 repeaters across the state through the internet. This service had been untested and this event created the perfect proving ground, Broadway said. "We needed dependable statewide communication where all stations would benefit by hearing reports as they were filed," he pointed out. "The Ohio Talk Group was used with great success, with no known problems with dropout or system faults. Communication proved reliable even with the severe weather threatening power loss and antenna corruption."

Ohio ARES operators provided a broad range of information including snow depths, wind speeds, and "Level 3" declarations, closed airports and more. Under Level 3 in Ohio, non-essential motorists on roadways are subject to arrest.

Broadway conceded that more aggressive alerting of District and county Emergency Coordinators would have given them more time to prepare. More guidance for local nets might have contributed to more realistic expectations and efficient operation — the specific weather information sought and time frame of operation anticipated, he added.

"Winter storms are part of the Ohio landscape, and we don't propose ramping up a net for every snowfall. But when the forecasts call for extreme conditions, ARES operators have now proven we can be a true asset for our served partner agencies. — Ohio Section Emergency Coordinator Stan Broadway, N8BHL

## **FCC Invites Comments on ARRL Technician Enhancement Proposal**

ARRL - 03/15/2019

The FCC has invited public comments on ARRL's 2018 Petition for Rule Making, now designated as RM-11828, which asks the FCC to expand HF privileges for Technician licensees to include limited phone privileges on 75, 40, and 15 meters, plus RTTY and digital mode privileges on 80, 40, 15, and 10 meters. Interested parties have 30 days to comment. The Technician enhancement proposals stemmed from the recommendations of the ARRL Board of Directors' Entry-Level License Committee, which explored various initiatives and gauged member opinions in 2016 and 2017.

"This action will enhance the available license operating privileges in what has become the principal entry-level license class in the Amateur Service," ARRL said in its Petition. "It will attract more newcomers to Amateur Radio, it will result in increased retention of licensees who hold Technician Class licenses, and it will provide an improved incentive for entry-level licensees to increase technical self-training and pursue higher license class achievement and development of communications skills."

### **Filing Comments**

Those interested posting brief comments on the ARRL Technician Enhancement proposal (RM-11828) using the Electronic Comment Filing System (ECFS) should access FCC Electronic Comment Filing System Express. In the "Proceeding(s)" field, enter the number of the PRM, i.e., RM-11828 (using this format), complete all required fields, and enter comments in the box provided. You may review your post before filing. All information you provide, including name and address, will be publicly available once you post your comment(s). For more information, visit "How to Comment on FCC Proceedings."

Specifically, ARRL proposes to provide present and future Technicians with: phone privileges at 3.900 to 4.000 MHz, 7.225 to 7.300 MHz, and 21.350 to 21.450 MHz. RTTY and digital privileges in current Technician allocations on 80, 40, 15, and 10 meters.

The ARRL petition points out the explosion in popularity of various digital modes over the past 2 decades. Under the ARRL plan, the maximum HF power level for Technician operators would remain at 200 W PEP. The few remaining Novice licensees would gain no new privileges under ARRL's proposal.

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## **FCC Invites Comments on ARRL Technician Enhancement Proposal**

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ARRL's petition points to the need for compelling incentives not only to become a radio amateur in the first place, but then to upgrade and further develop skills. Demographic and technological changes call for a "periodic rebalancing" between those two objectives, ARRL maintained in his proposal. The FCC has not assessed entry-level operating privileges since 2005.

The Entry-Level License Committee offered very specific data- and survey-supported findings about growth in Amateur Radio and its place in the advanced technological demographic, which includes individuals younger than 30. It received significant input from ARRL members via more than 8,000 survey responses. "The Committee's analysis noted that today, Amateur Radio exists among many more modes of communication than it did half a century ago, or even 20 years ago," ARRL said in its petition.

Now numbering some 384,500, Technician licensees comprise more than half of the US Amateur Radio population. ARRL stressed in its petition the urgency of making the license more attractive to newcomers, in part to improve upon science, technology, engineering, and mathematics (STEM) education, "that inescapably accompanies a healthy, growing Amateur Radio Service."

ARRL said its proposal is critical to develop improved operating skills, increasing emergency preparedness participation, improving technical self-training, and boosting overall growth in the Amateur Service, which has remained nearly inert at about 1% per year.

The Entry-Level License Committee determined that the current Technician class question pool already covers far more material than necessary for an entry-level exam to validate expanded privileges. ARRL told the FCC that it would continue to refine examination preparation and training materials aimed at STEM topics, increase outreach and recruitment, work with Amateur Radio clubs, and encourage educational institutions to utilize Amateur Radio in STEM and other experiential learning programs.

# Other Club Stuff

**RST holds FREE VE testing on the following dates, 7:00 pm at Hardesty Mid- Town Police Building, 1100 S Alvernon, Tucson.**

08-Apr-2019  
13-May-2019  
10-Jun-2019  
08-Jul-2019  
12-Aug-2019  
09-Sep-2019  
14-Oct-2019  
11-Nov-2019  
09-Dec-2019

## Upcoming Days in The Park Events

Jan 12, 2019 Gene G. Reed Park  
900 S. Randolph Way  
10 AM to 2 PM Talk in on 146.520 FM

Feb 16, 2019 John F. Kennedy Park  
3700 S. Mission Road  
10 AM to 2 PM Talk in on 146.520 FM

Mar 16, 2019 Jacinto Park  
3500 N. Parkway Avenue  
10 AM to 2 PM Talk in on 146.520 FM

Apr 27, 2019 Christopher Columbus Park  
4000 N. Silverbell Road, Ramada #2  
10 AM to 2 PM Talk in on 146.520 FM

May 10, 2019 Gene G. Reed Park  
900 S. Randolph Way  
10 AM to 2 PM Talk in on 146.520 FM

June 15, 2019 Morris K. Udall Park  
7000 E. Tanque Verde Road  
10 AM to 2 PM Talk in on 146.520 FM

Jul 13, 2019 AMPHI Neighborhood Park  
510 E. Navajo Road  
10 AM to 2 PM Talk in on 146.520 FM

Aug 17, 2019 Jacinto Park  
3500 N. Parkway Avenue  
10 AM to 2 PM Talk in on 146.520 FM

Sep 14, 2019 Morris K. Udall Park  
7000 E. Tanque Verde Road  
10 AM to 2 PM Talk in on 146.520 FM

Oct 12, 2019 AMPHI Neighborhood Park  
510 E. Navajo Road  
10 AM to 2 PM Talk in on 146.520 FM

## The Cochise Amateur Radio Association

2756 S Moson Rd, Sierra Vista, Arizona 85650



Presents The

## Cochise Hamfest

and

7th Area Communications Exercise

**SATURDAY, MAY 4th 2019**



**FREE PARKING AND ADMISSION: Hamfest Gate Opens at 0700  
AMATEUR RADIO LICENSE TESTING: 0900 to 1100**

**PRIZE DRAWING @ 1200 NOON TALK IN: 146.76(-) PL 162.3  
TAILGATING - \$5, INSIDE TABLES - \$10**



**First Prize: ICOM IC-718 HF Radio  
2nd Prize: Icom ID-51A Plus 2 D-Star HT  
3rd Prize: MFJ 4230MV 30 A Switching PS**

Local Sierra Vista Accommodations and Shopping within 15 minutes of Hamfest Site

**VISIT US ON THE WEB AT <http://www.k7rdg.org>**

For More Info Contact: K4AFN/Charles: (325) 508.7887 or k4afn@gaz.net

**See You There!!!**

**Do you have any club news to share?  
It can be posted on this page.  
Send your info to Angie - [emberfire@cox.net](mailto:emberfire@cox.net).**



Cooking up  
Some Magic



## Camping Recipes

As we start planning for our Field Day Camping Days, I thought I would share some camping recipes so y'all would eat like home! Nothing like cooking out in nature! Enjoy the next few months of camping recipes and hope you get to use them while you are camping.

### Juicy Pan-Seared Pork Chops with Citrus Dressing

Rather than marinating these chops ahead of time, which, let's face it, doesn't work on weeknights, we came up with a citrus-mustard-cilantro dressing that bathes the chops in punchy flavor after they've cooked. The pinch of sugar helps these chops take on lots of color, and hard-searing on just one side ensures they're not overcooked.

#### INGREDIENTS

4  $\frac{1}{2}$ -inch-thick bone-in pork chops (about 2 pounds), patted dry with paper towels  
Kosher salt, freshly ground pepper  
1 teaspoon sugar, divided  
2 tablespoons plus  $\frac{1}{4}$  cup olive oil  
1 lemon, zest finely grated (about 1 teaspoon), plus  
2 tablespoons fresh juice  
1 garlic clove, finely grated  
1 tablespoon Dijon mustard



1 teaspoon dried oregano  
 $\frac{1}{2}$  teaspoon ground cumin  
 $\frac{1}{2}$  bunch cilantro leaves with tender stems, chopped

#### RECIPE PREPARATION

Season pork chops generously on one side with salt and pepper. Turn and season other side generously, then sprinkle evenly with  $\frac{1}{2}$  tsp. sugar.

Heat 2 Tbsp. oil in a large skillet over medium-high. Carefully add chops sugared side down and cook, gently shaking skillet occasionally but not disturbing pork, until underside is caramelized and chops are deeply browned all over, about 5 minutes. Turn chops and reduce heat to low. Cook just until second side is opaque, about 1 minute. Remove skillet from heat and let chops rest 10 minutes in skillet (the cooking will carry over and finish the chops while they rest).

Meanwhile, whisk lemon zest and juice, garlic, mustard, oregano, cumin, and remaining  $\frac{1}{2}$  tsp. sugar in a medium bowl. Slowly whisk in remaining  $\frac{1}{4}$  cup oil until emulsified. Fold in cilantro and season with salt and lots of pepper.

Spoon half of dressing onto a platter. Transfer chops to platter, then whisk any juices that have accumulated in skillet into remaining dressing. Spoon dressing over top of pork. Swipe pork through dressing as you eat.

